Engineer: Jack Curtis	Date: 4/22/04	Raytheon					
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Approved: CTS	Date: 6/21/04	Title: ACU RADIO APPLICATION NOTES					
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APPLIES TO: Vertex VX-4000 Mobile Radio Vertex VX-6000 Mobile Radio

RADIO MODIFICATIONS: None required.

RADIO PROGRAMMING:

1. Mobile radios should normally be programmed for low transmit power.

RADIO CONTROLS:

1. Adjust the Volume Control until the yellow "SIGNAL" indicator on the associated DSP Module flashes with receive audio.

CABLING:

Standard ACU-1000 and ACU-T Interface cables are made up of a 2 foot TRP Radio Tray Interface cable and the appropriate 13-foot Extension cable.

ACU-1000 Interface Cable JPS P/N 5961-291236 (5961-271236 + 5961-261002-00)
ACU-T Interface Cable JPS P/N 5961-281236 (5961-271236 + 5961-281013-00)
TRP-1000 Shelf Interface Cable JPS P/N 5961-271236

Radio RF Connector Type

DSP-1 JUMPERS:

JP1 Low Impedance *
JP2 Balanced *

DSP PROGRAMMING:

RX Level 4* -4dBm* TX Level 6* 0dBm* Squelch Type **COR COR Polarity** Active high High Frequency Equalizer 4* Flat* 2* RX Audio Delay 100 ms* TX Audio Delay (Radio Type) 0* No Delay* Noise Reduction Value 0* Off* 1* VOX/VMR Threshold Med1* VOX/VMR Hang Time 3* 775 ms* 1* COR Inhibit After PTT 100 ms* All Others As needed

(* Indicates Default Value)

NOTES:

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